

FORM PTO-1449 INFORMATION DISCLOSURE CITATION APR 11 2002				Attorney Docket 90023-Y	Serial Number 10/010,597		
				Applicant LEIF et al.			
				Filing Date December 6, 2001	Group Art Unit 1654		
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
CC	AA	5,373,093	12/13/94	VALLARINO et al.	534	15	03/15/91
CC	AB	5,696,240	12/09/97	VALLARINO et al.	514	15	12/08/94
CC	AC	5,316,909	05/31/94	XU	435	6	03/13/92
CC	AD	6,107,024	08/22/00	SCHAAP	435	6	03/29/91
	AE						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Trans-lation
	AF						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
RECEIVED TECH CENTER 1600/2900 APR 24 2002	AG	Adeyiga, A.M. et al., "Advances in the Development of Lanthanide Macroyclic Complexes as Luminescent Bio-Markers", <u>Optical Diagnosis of Living Cells and Bioluids, SPIE Proceedings Series</u> , Vol. 2678, pp. 212-220 (1996).					
		AH	Melentieva, E.V. et al., "The Analytical Use of the Fluorescence of the Four-Ligand B-Diketone Complexes of Europium and Samarium with Organic Bases", <u>Zh. Anal. Khim.</u> , Vol. XXII, pp. 187-192 (1967).				
	AI		Yang Jing-He et al., "Enhanced Luminescence of the Europium/Terbium/Thenoyltrifluoroacetone/1,10-Phenanthroline/Surfactant System, and its Analytical Application", <u>Anal. Chim. Acta</u> , Vol. 198, pp. 287-292 (1987).				
		AJ	Jing-He Yang et al., "Application of the Co-Luminescence Effect of Rare Earths: Simultaneous Determination of Trace Amounts of Samarium and Europium in Solution", <u>Analyst</u> , Vol. 114, pp. 1417-1419 (Nov. 1989).				
	AK		Jinghe Yang et al., "Fluorescence Enhancement of the Eu-Tb-Benzoylacetone-Phenanthroline System", <u>Anal. Chim. Acta</u> , Vol. 238, pp. 307-314 (1990).				
AL		Yong-Yuan Xu, "Co-fluorescence of Europium and Samarium in Time-Resolved Fluorometric Immunoassays", <u>Analyst</u> , Vol. 116, pp. 1155-1158 (Nov. 1991).					
	Examiner	<i>Louise Lee</i>			Date Considered 10/03		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

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CC	BA		Yun-Xiang Ci, "Fluorescence Enhancement of the Europium(III)-Thenoyltrifluoroacetone-Trioctylphosphine Oxide Ternary Complex by Gadolinium(III) and its Application to the Determination of Europium(III)", <u>Analyst</u> , Vol. 113, pp. 1453-1457 (Sept. 1988).	
CC	BB		Yun-Xiang Ci et al., "Enhanced Fluorometric Determination of Europium(III) with Thenoyltrifluoroacetone and 4,7-diphenyl-1,10-Phenanthroline by Gadolinium(III)", <u>Analytical Lett.</u> , Vol. 21(8), pp. 1499-1513 (1988).	
CC	BC		Yun-Xiang Ci et al., "Fluorometric Determination of Samarium and Gadolinium by Enhancement of Fluorescence of Samarium-Thenoyltrifluoroacetone-1,10-Phenanthroline Ternary Complex by Gadolinium", <u>Anal Chem.</u> , Vol. 61, pp. 1063-1069 (1989).	
CC	BD		Sabbatini, N. et al., "Radiative and Nonradiative Transitions in the Eu(III) Hexaaza Macroyclic Complex [Eu(C ₂₂ H ₂₆ N ₆) (CH ₃ COO)] (CH ₃ COO)Cl ₂ H ₂ O", <u>J. Phys. Chem.</u> , Vol. 91, pp. 4681-4685 (1987).	
CC	BE		Hemmila, I. et al., "Chap. 5, Time-Resolved Fluorometry, in Bioanalytical applications of labelling technologies, A review of trends and new opportunities in biospecific assay, based on the product offering of Wallac, an EG&G company", Edited by I. Hemmila et al. ISBN 951-9489-32-0 (1994).	
TECH CENTER 1600/2900 APR 24 2002 CC	BF		Lempicki, A. et al., "Europium Chelates as Laser Materials", <u>Proceedings of the Fourth Conference on Rare Earth Research</u> , April 22-25, 1964, LeRoy Eyring (ed.), Gordon and Breach, Science Publishers, pp. 351-361.	
RECEIVED	BG		Quagliano, J.V. et al., <u>Coordination Chemistry</u> , Lexington, Mass, D C Heath and Company, 1969, page 3.	
TECH CENTER 1600/2900 APR 16 2002 CC	BH		Melson, G.A., <u>Coordination Chemistry of Macroyclic Compounds</u> , New York, Plenum Press, 1979, pp. 2-5.	
RECEIVED	BI		Lindoy, L.F., <u>The chemistry of macrocyclic ligand complexes</u> , Cambridge (UK), Cambridge University Press, 1989, pages 1-4.	
TECH CENTER 1600/2900 APR 16 2002 CC	BJ		Leif, R.C. et al., "Rare Earth Chelates as Fluorescent Markers in Cell Separation and Analysis", <u>ACS Symposium Series 464m Cell Separation Science and Technology</u> , D S Kompala and P W Todd (eds.), American Chemical Society, Washington DC, 1991, pages 41-58.	
Examiner <i>Laura N. Lee</i>			Date Considered 10/03	
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Attorney Docket</td> <td style="width: 40%;">90023-Y</td> <td style="width: 50%;">Serial Number 10/010,597</td> </tr> <tr> <td colspan="3">Applicant LEIF et al.</td> </tr> <tr> <td colspan="2">Filing Date December 6, 2001</td> <td>Group Art Unit 1654</td> </tr> </table>			Attorney Docket	90023-Y	Serial Number 10/010,597	Applicant LEIF et al.			Filing Date December 6, 2001		Group Art Unit 1654
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.) <p>CC Benetollo, F. et al., "Structure of the [5S, 15S] isomer of the macrocyclic complex [La(NCS)₃(C₂₄H₃₀N₆)]", <u>J. Chem. Crystallography</u>, Vol. 26, pp. 9-13 (1996).</p> <p>CC Vallarino, L., "Lanthanide (III) complexes of six-nitrogen-donor macrocyclic ligands with peripheral functionalities", <u>J. Alloys and Compounds</u>, Vol. 249, pp. 69-75 (1997).</p> <p>CC Benetollo, F. et al., "Constitutional isomers and stereoisomers of lanthanum (III) complex of the dimethyl-substituted six-nitrogen-donor ligand [La(C₂₄H₃₀N₆)₃(H₂O)]. 0.5 H₂O", <u>Polyhedron</u>, Vol. 20, pp. 3622-3642 (1998).</p>											
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CF	CH										
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